ENVIRONMENTAL CHEMISTS

Date of Report: 11/21/00 Date Received: 11/09/00

Project: Metro Self Monitor, PO# M64798

Date Extracted: 11/15/00 Date Analyzed: 11/15/00

RESULTS FROM THE ANALYSIS OF THE WATER SAMPLE FOR TOTAL METALS BY INDUCTIVELY COUPLED PLASMA (ICP) (METHOD 6010)

Results Reported as mg/L (ppm)

		Yes the State of				
Sam	ple ID	Chromiun	n <u>Cop</u>	per	Nickel	Zinc
Labor	atory ID					
M64		1.4	0	.97	1.4	0.17
01106	5-01					
Met	hod Blank	< 0.05	<0	.05	< 0.05	< 0.05

ENVIRONMENTAL CHEMISTS

Date of Report: 11/21/00 Date Received: 11/09/00

Project: Metro Self Monitor, PO# M64798

QUALITY ASSURANCE RESULTS FOR TOTAL METALS BY INDUCTIVELY COUPLED PLASMA (ICP) (METHOD 6010)

Laboratory Code: 011080-01 (Duplicate)

	Reporting	Sample	Duplicate	Relative Percent	Acceptance
Analyte	Units	Result	Result	Difference	Criteria
Chromium	mg/L (ppm)	0.25	0.24	4	0-20
Copper	mg/L (ppm)	0.13	0.13	0	0-20
Nickel	mg/L (ppm)	0.15	0.15	0	0-20
Zinc	mg/L (ppm)	0.06	0.06	0	0-20

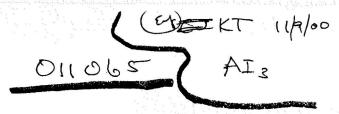
Laboratory Code: 011080-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	% Recove	ery % Recove MSD	ery Acceptanc Criteria	e RPD
Chromium	mg/L (ppm)	5	0.25	100	104	80-120	4
Copper	mg/L (ppm)	5	0.13	103	109	80-120	6
Nickel	mg/L (ppm)	10	0.15	99	99	80-120	0
Zinc	mg/L (ppm)	5	0.06	107	101	80-120	6

Laboratory Code: Laboratory Control Sample

		Reporting	Spike	e			
, <u> </u>	Analyte	Units	Level	LCS	LCSI) Criteria	RPD
(Chromium	mg/L (ppm)	5	103	104	80-120	1
- (Copper	mg/L (ppm)	5	110	112	80-120	2
- 1	Vickel	mg/L (ppm)	10	102	103	80-120	1
1	Zinc	mg/L (ppm)	5	105	107	80-120	2

FRIEDMAN & BRUYA, INC. 3012 16th Avenue West Seattle, WA 98119-2029 (206) 285-8282



SAMPLE CHAIN OF CUSTODY

Send Report To: Al ASKAN COPPER WORKS Contact GERSON A. Thompson										
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06/09/97

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D. Charlene Jensen, M.S. Bradley T. Benson, B.S. Kurt Johnson, B.S.

3012 16th Avenue West Seattle, WA 98119-2029 TEL: (206) 285-8282 FAX: (206) 283-5044 e-mail: fbi@isomedia.com

November 21, 2000

DUPLICATE COPY

INVOICE #00ACU1121-1

Accounts Payable Alaskan Copper Works 628 South Hanford Seattle, WA 98134

RE: Project Metro Self Monitor, PO# M64798 - Results of testing requested by Gerald A. Thompson for material submitted on November 9, 2000.

1 sample analyzed for Total Chromium, Copper, Nickel and Zinc by Method 6010 @ \$80 per sample \$80.00

Amount Due \$80.00

FEDERAL TAX ID #(b) (6)

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D. Charlene Jensen, M.S. Bradley T. Benson, B.S. Kurt Johnson, B.S. 3012 16th Avenue West Seattle, WA 98119-2029 TEL: (206) 285-8282 FAX: (206) 283-5044 e-mail: fbi@isomedia.com

November 21, 2000

Gerald A. Thompson, Project Manager Alaskan Copper Works 628 South Hanford Seattle, WA 98134

Dear Mr. Thompson:

Included are the results from the testing of material submitted on November 9, 2000 from your Metro Self Monitor, PO# M64798 project. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.

Kate Trafton

Project Manager

Enclosures ACU1121R.DOC